

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	(distributed adj point adj source adj method)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 16:54
S2	1812	703/2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 16:54
S3	548	703/2.ccls. magnet\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/06/01 16:54
S4	237	703/2.ccls. magnet\$2 matrix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/06/01 16:54
S5	78	703/2.ccls. magnet\$2 matrix wave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 16:54
S6	35	703/2.ccls. magnet\$2 matrix wave mesh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 16:58
S7	31	703/2.ccls. magnet\$2 matrix wave mesh surface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:23
S8	1102774	wave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:23

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S9	221862	magnet\$3 wave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:24
S10	28052	magnet\$3 wave matrix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:24
S11	9326	magnet\$3 wave matrix vector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:24
S12	7900	magnet\$3 wave matrix vector multipl\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:24
S13	6169	magnet\$3 wave matrix vector multipl\$3 surface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:24
S14	445	magnet\$3 wave matrix vector multipl\$3 surface obstacle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:25
S15	330	magnet\$3 wave matrix vector multipl\$3 surface obstacle interact\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:25
S16	54	magnet\$3 wave matrix vector multipl\$3 surface obstacle interact\$3 mesh\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:26

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S17	64	electric\$3 wave matrix vector multipl\$3 surface obstacle interact\$3 mesh\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:28
S18	56111	(magnet\$2 with wave)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:28
S19	446	(magnet\$2 with wave) surface mesh matrix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:29
S20	15	(magnet\$2 with wave) surface mesh matrix obstacle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/06 12:29

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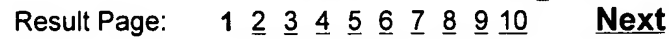
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## » Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

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IEEE STD IEEE Standard

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 Placko, D.; Dufour, I.;  
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 Volume 29, Issue 6, Part 2, Nov 1993 Page(s):3192 - 3194  
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 Fadel, L.; Zimmermann, C.; Dufour, I.; Dejous, C.; Rebiere, D.;  
[Ultrasonics, Ferroelectrics and Frequency Control, IEEE Transactions on](#)  
 Volume 52, Issue 2, Feb 2005 Page(s):297 - 303  
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 Dufour, I.; Heinrich, S.M.; Josse, F.;  
[Frequency Control Symposium and Exposition, 2004. Proceedings of the 2004 International](#)  
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- ☐ 5. **Coupled determination of gravimetric and elastic effects on two resonant sensors: love wave and microcantilever platforms**

Fadel, L.; Zimmermann, C.; Dufour, I.; Rebiere, D.; Dejous, C.; Pistre, J.;  
[Frequency Control Symposium and PDA Exhibition Jointly with the 17th Euro  
 and Time Forum, 2003. Proceedings of the 2003 IEEE International](#)  
 4-8 May 2003 Page(s):964 - 970  
 Digital Object Identifier 10.1109/FREQ.2003.1275221  
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6. **Optimization of the signal to noise ratio of resonant microcantilever type sensors**

Fadel, L.; Dufour, I.; Lochon, F.; Francais, O.;  
[TRANSDUCERS, Solid-State Sensors, Actuators and Microsystems, 12th Inte  
 Conference on, 2003](#)  
 Volume 2, 8-12 June 2003 Page(s):1351 - 1354 vol.2  
 Digital Object Identifier 10.1109/SENSOR.2003.1217024  
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7. **Flexible access systems [optical pipeline]**

Dufour, I.;  
[Subscriber Loops and Services, 1988. Proceedings. ISSLS 88., International S](#)  
 11-16 Sept. 1988 Page(s):128 - 132  
 Digital Object Identifier 10.1109/ISSLS.1988.10645  
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8. **Optimization Of Acquisition Parameters In Fast Magnetic Resonance Ima**

Dufour, I.; Bittoun, J.; Idy-Perreti, I.; Jolivet, O.; Di Paola, R.;  
[Engineering in Medicine and Biology Society, 1990. Proceedings of the Twelfth  
 International Conference of the IEEE](#)  
 1-4 Nov. 1990 Page(s):1126 - 1126  
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9. **Eddy current sensors for nondestructive inspection of graphite composi**

Placko, D.; Dufour, I.;  
[Industry Applications Society Annual Meeting, 1992., Conference Record of the](#)  
 4-9 Oct. 1992 Page(s):1676 - 1682 vol.2  
 Digital Object Identifier 10.1109/IAS.1992.244235  
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10. **A New Structure Of Eddy Current Sensor For Nondestructive Testing**

Dufour, I.; Placko, D.;  
[Magnetics Conference, 1993. INTERMAG '93., Digest of International](#)  
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**Magnetic flux** is the product of the average **magnetic** field times the ... The contribution to **magnetic flux** for a given area is equal to the area times the ...  
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**Magnetic flux** - Wikipedia, the free encyclopedia

**Magnetic flux**, is a measure of quantity of magnetism, taking account of the strength ... More generally, **magnetic flux** is defined by a scalar product of the ...  
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Another important vector is **magnetic flux** density B. It is related to H via: The **flux** associated with a **magnetic** field is therefore a measure of the number ...  
[www.ee.surrey.ac.uk/Teaching/Courses/EFT/dynamics/html/magnetic\\_flux.html](http://www.ee.surrey.ac.uk/Teaching/Courses/EFT/dynamics/html/magnetic_flux.html) - 6k - [Cached](#) - [Similar pages](#)

**Magnetic Flux** -- from Eric Weisstein's World of Physics

Therefore, an electromotive force is created only when the **flux** changes with time, which means only when B or change with time. The unit of **magnetic flux** is ...  
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**Magnetic Flux**

**Magnetic flux** measures the number of **magnetic** field lines that pass ... The **magnetic flux** into a surface is equal to the **magnetic flux** out of a surface. ...  
[www.ac.wvu.edu/~vawter/PhysicsNet/Topics/MagneticField/Flux.html](http://www.ac.wvu.edu/~vawter/PhysicsNet/Topics/MagneticField/Flux.html) - 5k - [Cached](#) - [Similar pages](#)

**magnetic flux**

The amount of **magnetic flux** through an area equals the product of the area and the **magnetic** field strength at a point within that area. ...  
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If B is at 90° to the area, A, then the total **magnetic flux**,  $\Phi$  "passing through" ... So, in this case, the **flux** "passing through" the area is defined to be ...  
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**Magnetic Flux Density**

One weber is equal to  $1 \times 10^8$  **magnetic** field lines. Example: If a **magnetic flux** (F) has 5000 lines, find the number of webers.  $F = 5000 \text{ lines} / 1 \times 10^8 \text{ lines/Wb}$  ...  
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**Magnetic Flux**

**Magnetic flux** is to charge as momentum is to mass. **Flux** opposes a change in ... **Flux** is

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**RAKE Receiver** Definition: A **receiver** technique which uses several baseband correlators to individually process several signal **multipath** components. ...

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This could very well result in higher Signal-to-noise ratio (or Eb/No) in a **multipath** environment than in a "clean" environment. The **rake receiver** is so ...

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The design of CDMA gives us multi-user access and **multipath** rejection. The other multi-user air ... A schematic diagram of the **Rake Receiver** is given below. ...

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derived at the **receiver** for the **multipath** fading. It is shown that the proposed blind space-time diversity. **RAKE receiver** performs well. I. INTRODUCTION ...

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The **RAKE receiver** was designed to equalize the effects of **multipath**. It uses a combination of correlators, code generators, and delays, or "fingers", ...

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optimal beamformer for each **RAKE** finger are used by the space-time **RAKE receiver** to optimally combine the desired user's. **multipath** while simultaneously ...

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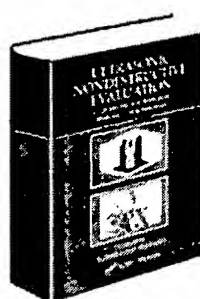
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### The distributed sources method: a concept for open magnetic cores modelling

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#### Abstract

This paper presents a original method for open magnetic cores modelling. It is called the distributed point source method. It is based on a spatial distribution of point sources located on the core surfaces emitting the magnetic flux, called the active surfaces. Compared to Finite Elements methods, the DSPM method requires only the modeling of these active surfaces, which considerably reduces the solving process time. In this paper, the DSPM method is applied on a magnetic cylindrical core, placed in free space.

#### PACS

81.70.Ex - Nondestructive testing: electromagnetic testing, eddy-current testing.  
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